



**AMERICAN UNIVERSITY
OF CYPRUS**

Course Code INDS 201	Course Name Interior Design Studio III	ECTS Credit 6
Pre-Requisite Interior Design Studio I Interior Design Studio II	Course Type Compulsory	Language of Instruction English
Year of Study 2 nd	Level of Course 3 rd Semester	Mode of Delivery On Campus

Course Objectives:

The course examines the materiality of space as a single and indivisible condition through which the Design of Space is conceived and implemented. Therefore, these courses examine concepts such as natural or artificial materials, the specification of surfaces, equipment, and building systems, traditional building methods historically, and digital modeling and building applications of space as a function of the desired properties of space - i.e. as a synthetic problem - focused on man. The specialized subjects of each course seek to correlate the above with parameters such as health, safety, physical and perceptual ergonomics, and comfort, but also the aesthetic choices made, as they are affected by the necessary infrastructure, surfaces, and equipment. Space

Learning Outcomes:

Through the course of these courses, students will be able to grasp the concept of Space as a universal condition, in the best possible way, being familiar with its production methods from traditional idiosyncratic folk and historical techniques to modern construction technologies. Especially nowadays, this factor appears to be crucial for the teaching of Design as a single process between matter and conception - for example, the modern production of space as a function of the mass industrial production of standard systems or the logic of digital formatting (CAD, BIM, parametric design and optimization simulations) as a function of specialized digital fabrication applications (Digital Fabrication). On the other hand, the familiarization of students with the materiality of the space and its production methods in the broadest sense will allow them to deal with all application scales, from the meeting of two surfaces and the specification of building systems to the original conception of the overall form of the space, with the special sensitivity required by definition by the demand of Anthropocentric Design

Teaching Methodology:

- Reading and resolving problems
- Working on problem-solving
- Attendance and participation in class
- Monitor discussions
- Writing and replying to objective type questions
- Solving unstructured questions and case studies
- Brief oral presentation before starting a new chapter and reply to queries from students
- Homework for revision purposes
- Interaction and collaborative learning
- Video watching

Course Content:

The course is composed of a series an introductory theoretical lesson and refers to known materials used in construction, construction, service of functional requirements, protection against wear and external factors, the performance of aesthetic and morphological options for the implementation of a technical project, which form the group of structural and decorative materials. This group includes both natural materials, used since ancient times, such as stone, clay, wood, and newer technical materials, such as metal alloys, cement, or plastics. Computational design gradually forms a modern environment of continuous flow of information, computer systems, and algorithms that lead to the overall control of the properties, behavior, and all kinds of elements related to materials in the design process. New technologies (such as the use of nanotechnology) are contributing to rapid developments in materials science, increasing their requirements, range of properties, variability, and response to different environmental conditions - heat, light, electricity, etc..a. Thus, an expanded field is formed between the conventional management of materials as part of the construction of a project, and their apparent active participation in the production of architectural forms, as well as their treatment as dynamic and not as static systems.

Assessment Methods:

Participation, Midterm Exam, Final Exam, Quizzes

Required Textbooks/Reading:

Title	Author(s)	Publisher	Year
Fundamentals of Building Construction: Materials and Methods.	Allen, E., & Iano, J.,	N. Jersey: Wiley.	2014
Materials: Engineering, Science, Processing and Design.	Ashby, M., Shercliff, H., & Cebon, D.,	U.K.: Butterworth-Heinemann	2007
The Ecology of Building Materials	Berge, B.	UK: Architectural Press	2009
Sustainable Commercial Interiors.	Bonda, P., Sosnowchik, K.	New Jersey: John Wiley and Sons.	2007
Emotional Durable Design: Objects, Experiences and Empathy.	Chapman, J.,	London, N. York: Routledge	2015
Wood in Constructions: How to Avoid Costly Mistakes.	Coulson, J.	U.K.: Wiley Blackwell.	2012
Building Materials,	Duggal, S., K.,	New Age International Ltd.	2016
Green Buildings Pay: Design, Productivity and Ecology	Edwards, B., W., & Naboni, E.	Oxford: Routledge.	2013
Architectural Acoustics Illustrated	Ermann, M	Jersey: Wiley	2015
Concretes, Cements, Mortars, Plasters & Stucco -How to Use and Prepare them	Hodgson, F., T.,	Fredonia Books	2016
Sustainability in Interior Design.	Moxon, S	Laurence King Pub.	2014
Sustainability: Principles and Practice.	Robertson, M.,	Oxford: Routledge.	2014

Paint and Coatings: Applications and Corrosion Resistance	Schweitzer, Ph., A	U.S.A.: Taylor and Francis.	2005
Glass Structures, Design and Construction of Self Supporting Skins	Wurm, J	Basel: Birkhauser	2007